



Prevent fire using Machine Learning

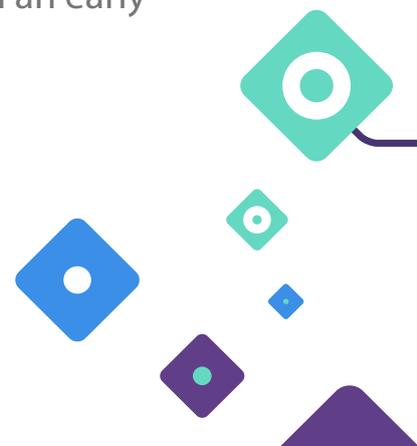
Use new technology to your advantage

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Automatically detect fire in places smoke detectors can't. Have security cameras respond to smoke and fire in heated areas. Not every day practice for large company sites and outdoor storage facilities. Technology however, can detect smoke and fire in an early stage and help secure the area.

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Recognize smoke and fire

Fires in outdoor company areas and storage facilities often generate a lot of nuisance. Fires are hard to detect in an early stage, hard to reach and have a high risk on releasing toxic chemicals. Machine Learning can auto-detect smoke and fire.

Because it often concerns large outdoor spaces fire detectors aren't a solution. And continuous surveillance is very time consuming and expensive. We came up with an app that detects smoke and fire through Machine Learning.

How does it work?

Through the use of AI, the app detects the amount of smoke, fire and other content in the images. For example in real-time footage of a security camera. All three categories get assigned a score based on the detected content. That's how the app differentiates between a lot of smoke and an actual fire.

Machine Learning makes it possible to learn an app the difference between what fire is, what smoke is and what scores should raise the alarm. That's how technology helps detecting fire in an early stage and thus reducing the damage.

Do you want to know what Machine Learning can do for your organization? Contact us via info@qlouder.com.

Challenge

Technology should be quick and efficient in detecting fires in places fire detection systems can't.

Approach

Learn an app to detect fire and smoke in images and videos through Machine Learning.

Result

Technology that can identify fire on security camera footage, making it quicker to detect fire and reducing potential damage.